

NONSTANDARD FORMULAS

These formulas also meet the requirements established by the American Academy of Pediatrics, Committee on Nutrition for the minimum level of 29 nutrients and the maximum level of 9 nutrients. The formulas are similar to milk based and soy based formulas with the changes made to the protein component. The milk protein (whey or casein) is heat treated and broken down enzymatically to create a protein that is easier to digest. These infant formulas were designed for the infant who have problems with the digestion of protein or severe allergy problems to protein. In many cases, these formulas are provided to infants with feeding problems or enzyme deficiencies as seen with cystic fibrosis. **Most of the protein hydrolysate formulas are lactose free due to the use of sucrose, tapioca starch, corn syrup solids and cornstarch.** The fat in these formulas contains medium-chain triglycerides which are also easier to digest and absorb. Due to the changes in the fat component, these formulas are also useful in problems with fat malabsorption, short gut syndrome and severe chronic diarrhea.

Issuance of these formulas requires a physician's order that contains: (1) diagnosis, (2) length of time, and (3) specific product name.

A. Protein Hydrolysate Formulas

Enfamil Nutramigen/Enfamil Nutramigen LIPIL with Iron (Mead Johnson Nutritionals)

Description: Nutritionally complete hypoallergenic infant formula for infants and children with easily digested protein source (casein hydrolysate). **Lactose Free.**

Packaging/Code: **Concentrated:** 13 fl. oz. cans, 12 cans/case (MNL1 or XNL1)
Ready to Feed: 32 fl. oz cans (1 QT), 6 cans/case (MNL9 or XNL9);
 6 fl.oz. bottles, 24 bottles/case (MNL7 or XML7), 3 fl. oz. bottles, 48 bottles/case (MNL6 or XNL6)
Powder: 16 oz. (1 lb.) cans, 6 cans/case (MNL5 or XNL5)

Composition: CHO: corn syrup solids, modified corn starch, carrageenan
 PRO: casein hydrolysate
 FAT: palm olein, soy, coconut and high oleic sunflower oils; *Mortierella alpina* oil and *Cryptocodinium cohnii* oil
 Vitamins
 Minerals
 20 cal./fl.oz.

Indications: Formula for infants and children with sensitivity to intact proteins of milk and other foods, for infants with galactosemia, for infants with severe or multiple food allergies.

Enfamil Portagen (Mead Johnson Nutritionals)

Description: Nutritionally complete food with MCT oil for adults and children. **Kosher, Lactose Free, Gluten Free, Low Residue. Note:** Contains milk protein.

Packaging/Code: **Powder:** 16 oz. (1 lb.) can, 6 cans/case (XPG5)

Composition: CHO: corn syrup solids, sucrose
 PRO: sodium caseinate
 FAT: MCT and corn oils, soy lecithin
 Vitamins
 Minerals
 30 cal./fl. oz. standard dilution. Can be mixed to 20 calories/fl. oz.

Indications: For adults and children who do not efficiently digest or absorb the long chain triglycerides of conventional fat. For chronic (long-term) use, supplementation of essential fatty acids and ultra-trace minerals should be considered. To be used only as directed by physician.

Enfamil Pregestimil (Mead Johnson Nutritionals)

Description: Iron-fortified ready to feed protein hydrolysate formula with medium chain triglycerides.

Packaging/Code: **Powder:** 16 oz. (1 lb.) can, 6 cans/case (**SF5 or XS5**)

Composition: CHO: corn syrup solids, modified cornstarch
PRO: casein hydrolysate, amino acids
FAT: soy, corn and high oleic safflower oils
Vitamins
Minerals
20 cal./fl. oz.

Indications: For infants with severe malabsorption disorders including intractable diarrhea, short gut syndrome, steatorrhea, cystic fibrosis and severe protein-calorie malnutrition.

Enfamil Pregestimil LIPIL (Mead Johnson Nutritionals)

Description: Iron-fortified ready to feed protein hydrolysate formula with medium chain triglycerides.

Packaging/Code: **Powder:** 16 oz. (1 lb.) can, 6 cans/case (**MEP5 or XEP5**)

Composition: CHO: corn syrup solids, modified cornstarch
PRO: casein hydrolysate, amino acids
FAT: soy, corn and high oleic safflower oils, C. cohnii oil, M. alpina oil
Vitamins
Minerals
20 cal./fl. oz.

Indications: For infants with severe malabsorption disorders including intractable diarrhea, short gut syndrome, steatorrhea, cystic fibrosis and severe protein-calorie malnutrition.

Similac Alimentum Advance with Iron/Similac DHA & ARA Alimentum with Iron (Ross Products Division)

Description: Nutritionally complete hypoallergenic infant formula with predigested protein (casein hydrolysate) and easily digested fat source. **Lactose Free. Corn Free (RTF Only).**

Packaging/Code: **Ready to Feed:** 32 fl. oz. cans/1 QT bottles, 6 cans/case (**RAA9 or XAA9**); 8 fl. oz. cans, 4 six-packs/case (**RAA8 or XAA8**)
Powder: 16 oz. (1 lb.) cans, 6 cans/case (**RAA4 or XAA4**)

Composition: Ready to Feed: CHO: modified tapioca starch, sucrose
PRO: casein hydrolysate (enzymatically hydrolyzed)
FAT: safflower, fractionated coconut (medium chain triglycerides) and soy oils; C. cohnii oil, M. alpina oil
Powder: CHO: corn maltodextrin, sucrose
PRO: casein hydrolysate
FAT: high oleic safflower, fractionated coconut (medium chain triglycerides) and soy oils, C. cohnii oil, M. alpina oil
Vitamins
Minerals
20 cal./fl.oz.

Indications: Infants with severe food allergies, sensitivity to intact protein, protein maldigestion or fat malabsorption.